

Project Description

This portion of the MD 132 from MD 462 to US 40 project involves rebuilding the existing Traffic Control Signal at the intersection of MD 132 and Rogers Street in Harford County. MD 132 runs east/west.

Controller Operation

An existing eight-phase fully actuated, solid state digital NEMA controller with intersection monitor and harness, battery back-up, housed in an existing pole mounted cabinet are to be utilized at this location.

The intersection is to operate in a NEMA FOUR (4) phase fixed time mode. The MD 132 approaches shall operate concurrently. The Rodgers St. approaches shall also operate concurrently.

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS

MR. DAVID MALKOWSKI
METROPOLITAN DISTRICT ENGINEER
410-321-2810

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-321-2798

MR. GRANDON TOBERY
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-321-2821

MR. DAVE RAMSEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-321-2761

MR. JOSEPH McMAHON
ASSISTANT DISTRICT ENGINEER - UTILITIES
410-321-2841

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
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410-787-7630

MR. ED RODENHIZER
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MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7676

MR. DAVE SCHWARTZ
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

Phase Chart

	1	2	3	4	5	6	7	8	9-12	13-16	
Phase 2 & 6	G	G	G	G	R	R	R	R	WK	DW	
Ped. Clear	G	G	G	G	R	R	R	R	FL/DW	DW	
2 & 6 Change	Y	Y	Y	Y	R	R	R	R	DW	DW	
Phase 4 & 8	R	R	R	R	G	G	G	G	DW	WK	
Ped. Clear	R	R	R	R	G	G	G	G	DW	FL/DW	
4 & 8 Change	R	R	R	R	Y	Y	Y	Y	DW	DW	
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	

Equipment List

A. MATERIAL SUPPLIED BY THE STATE HIGHWAY ADMINISTRATION

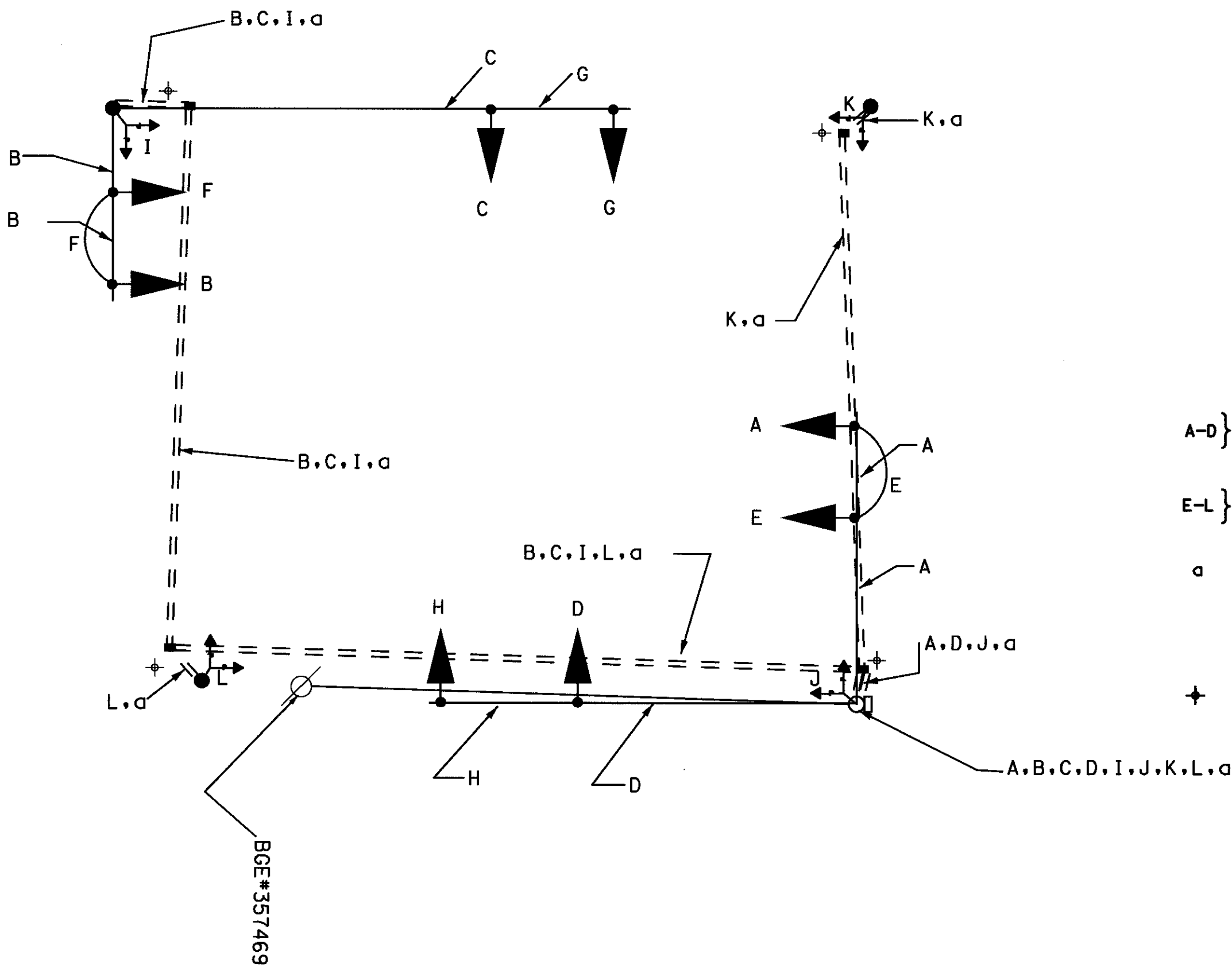
CAT. CODE NO.	QUANTITY	DESCRIPTION
900000	16 SF	FLAT SHEET ALUM. SIGN BLUE OR GREEN
		D3-2 "W. Bel Air Ave" Var X 16" Dual Face Mast Arm Mnt. 2 EA.
		D3-2 "Rogers St" Var X 16" Dual Face Mast Arm Mnt. 2 EA.

B. MATERIAL TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CAT. CODE NO.	QUANTITY	DESCRIPTION
120500	LS	MAINTENANCE OF TRAFFIC
203030	3 CY	TEST PIT EXCAVATION
500000	465 LF	FURNISH AND INSTALL 12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
500000	74 LF	FURNISH AND INSTALL 24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
800000	30 LF	FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
800000	LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
800000	1 EA	FURNISH AND INSTALL MAST ARM POLE AND TWIN 50 FOOT/50 FOOT MAST ARMS
800000	24 EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
801004	12 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
805115	200 LF	FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
811001	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	16 SF	INSTALL OVERHEAD SIGN
832020	300 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
834001	2 EA	FURNISH AND INSTALL CONNECTOR KIT - TYPE 1
834002	2 EA	FURNISH AND INSTALL CONNECTOR KIT - TYPE 2
860272	16 EA	FURNISH AND INSTALL 12 INCH PEDESTRIAN SIGNAL HEAD SECTION
861107	600 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	600 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
868003	2 EA	FURNISH AND INSTALL 10 FOOT BREAKAWAY PEDESTAL POLE
870163	60 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
877001	5 EA	FURNISH AND INSTALL GROUND ROD 3/4 INCH DIAMETER X 10 FOOT LENGTH

C. MATERIAL TO BE REMOVED AND RETURNED TO THE STATE HIGHWAY ADMINISTRATION

ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.



- A-D } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- E-L } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- a BARE COPPER WIRE (NO. 6 A.W.G.)
- + GROUND ROD



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNAL PLAN
MD 132 (W. BEL AIR AVE) & ROGERS STREET

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

DRAWN BY: R.J.	F.A.P. NO. M-7104-01	TS NO. 1180C	SHEET NO.
CHECKED BY: W.R.	S.A.L.A. NO. H-700-001-485	T.I.M.S. NO. E086	OF
SCALE: NONE	COUNTY: HARFORD	LOG MILE: 12013201.62	
DATE: 7/1/74	LOG MILE: 12013201.62		